

Central Plateau Remediation Project

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Slant Borehole technology, tested at Tank SX-108, will be used in the future to determine soil contamination levels beneath other tanks at Hanford, when appropriate.



A D&D worker decontaminating

INTRODUCTION

The Central Plateau Remediation Project (CP) is responsible for work scope included in Project Baseline Summaries (PBSs) RL-CP01, *200 Area Remediation*; RL-RC06, *300 Area Facility Transition*; RL-RS01, *South Hanford Industrial Area*; RL-SC01, *Near Term Stewardship*; RL-SS03, *Groundwater Monitoring and Management*; and RL-SS04, *Groundwater Vadose Zone*.

- PBS RL-CP01, *200 Area Remediation*, consists of Project Management and Support, CP Facility Surveillance and Maintenance (S&M), CP Facility Transition, CP Facility Decontamination and Decommissioning (D&D), the Equipment Disposition Project and CP Waste Site Remediation.
- PBS RL-RC06, *300 Area Facility Transition*, consists of 324 and 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation and Project Management and Support. The FH Contract includes these activities through April 30, 2003.
- PBS RL-RS01, *South Hanford Industrial Area*, consists of Facility Closure, Waste Site Remediation, Facility and Waste Site Surveillance and Maintenance, and Project Management and Support.
- PBS RL-SC01, *Near Term Stewardship*, consists of Stewardship Records/Information Management and Stewardship Strategic Planning and Requirements.
- PBS RL-SS03, *Groundwater Management and Monitoring*, consists of Long Term Monitoring, Groundwater Management and Monitoring, 100/200 Area Groundwater Remediation, Eliminate Artificial Recharge Conditions, and Project Management and Support.
- PBS RL-SS04, *Groundwater Vadose Zone Integration*, consists of Management and Integration, Science and Technology, System Assessment Capability and Characterization.

NOTE: Unless otherwise noted, all information contained herein is as of the end of February 2003.

NOTABLE ACCOMPLISHMENTS

200 Area Remediation: The Plutonium-Uranium Extraction (PUREX) Documented Safety Analysis (DSA) was issued for review and comment. Comment incorporation was completed on the 231-Z and 224-T DSAs. Completed the Vital Safety Systems (VSS) walk down of all facilities. Transmitted the *Regulatory Approach of Performing Closure of the U Plant Geographic Area* to DOE-RL. Completed the DOE (RL/HQ) review of the Gable Mountain Pond/B Pond (200-CW-1) Operable Unit Feasibility Study and Proposed Plan (supporting TPA Milestone M-15-38A due March 31, 2003).

300 Area Facility Transition: A Baseline Change Request (BCR) FH-2003-007 to extend work scope to the contract baseline through April 30, 2003 was approved and implemented. Completed the Artisan Arm vendor mock-up and training which supports deactivation of the Shielded Materials Facility (SMF) at 324 building. The SMF waste profile was approved by Waste Management that allows shipment of waste to the Low Level Burial Grounds as low-level category I non-verifiable. Five grout containers at the 324 building have been moved from B-Cell to A-Cell pending shipment to the Central Waste Complex that allows continued deactivation in B-Cell.

Groundwater Management and Monitoring: Completed eight of 15 wells, with two additional wells currently in progress. Pacific Northwest National Laboratory transmitted the final report, *Hanford Site Groundwater Monitoring for FY 2002* to DOE-RL the week of February 24, 2003 for RL's transmittal to regulators.

Groundwater Vadose Zone Integration: The *Hanford Groundwater Protection Management Plan: Accelerated Cleanup/Protection* was approved by RL. A draft-annotated outline of the *Optimization*

Strategy for the Central Plateau Closure has been completed and was transmitted to RL for review in late February 2003.

FY 2003 SCHEDULE/COST PERFORMANCE (\$000)

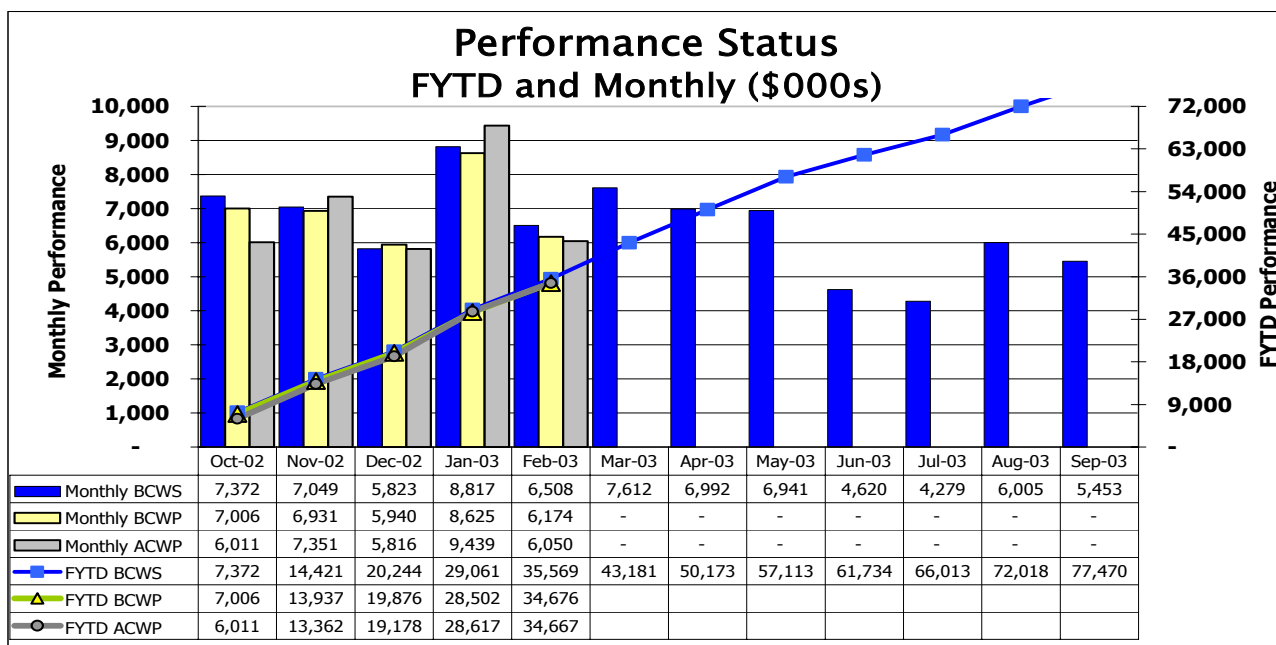
Schedule Performance: The FYTD schedule variance is within established thresholds (+/- 10% or \$1M); therefore no explanation is provided.

Cost Performance: The FYTD cost variance is within established thresholds (+/- 10% or \$ 1M); however, PBS RL-RC06 is currently experiencing a favorable cost variance \$1,377K (11%) that is offset by PBS RL-CP01 which has an unfavorable cost variance of \$1,847K (15%).

The favorable cost variance for the PBS RL-RC06 is primarily due to actual labor costs being lower than planned due to reallocation of resources to support other priority projects. The unfavorable cost variance for PBS RL-CP01 is primarily due to facility decontamination, cleaning and characterization at the 233-S Facility taking longer and costing more than planned.

		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-RC06	300 Area Facility Transition	12,653	12,543	11,166	-110	-0.9%	1,377	11.0%	18,652
RL-RS01	South Hanford Industrial Area Clean Up	41	63	30	22	35.0%	33	52.9%	201
RL-CP01	200 Area Remediation	13,100	12,516	14,362	-585	-4.7%	-1,847	-14.8%	30,468
RL-SS03	Groundwater Management & Monitoring	7,477	7,301	7,052	-176	-2.4%	249	3.4%	22,283
RL-SS04	Groundwater/Vadose Zone Protection	1,333	1,246	1,170	-86	-6.9%	76	6.1%	3,347
RL-SC01	Near Term Stewardship	965	1,007	888	42	4.2%	120	11.9%	2,519
Total Central Remediation Project		35,569	34,676	34,667	-893	-2.6%	8	0.0%	77,470

NOTE: FH contract only includes PBS RL-RC06, 300 Area Facility Transition work scope through April 30, 2003



MILESTONE ACHIEVEMENT

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL-CP01	TRP-03-203 M-15-41B	Submit 200-TW-1 and 200-TW-2 OU Remedial Investigation Report to EPA and Ecology	TPA	10/30/02	10/23/02		Completed ahead of schedule
RL-CP01	TRP-03-109 M-24-56	Install Two Additional Wells at SST Waste Management Area TX-TY.	TPA	12/31/02	12/13/02		Completed ahead of schedule
RL-CP01	TRP-03-206 M-13-00M	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/02	12/30/02		Completed ahead of schedule
RL-CP01	TRP-03-209 M-15-38A	Submit 200-CW-1 Gable Mountain Pond/B Pond and Ditch Cooling Water Group Feasibility Study	TPA	3/31/03			On Schedule
RL-CP01	TRP-03-212 M-15-40B	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group Remedial Investigation Report	TPA	5/31/03			On Schedule
RL-CP01	TRP-03-215 M-15-47	Submit a Proposed Plan to EPA and/or Ecology to conduct Remedial Action(s) for Source Control at High-Risk Waste Site(s)	TPA	6/30/03			On Schedule
RL-CP01	TRP-03-218 M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	TPA	9/30/03		7/18/03	Forecast ahead of schedule
RL-CP01	TRP-03-224 M-13-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/03			On Schedule
RL-CP01	TRP-03-239 M-020-00A	Submit Part B Permit Applications or Closure/Post Closure Plans for all RCRA TSD Units Except 216-A-10, 216-A-36B, 216-A-37-1, 207-A South Retention Basin, 216-S-10 Pond, 216-S-10 Ditch, 241-CX-70, 241-CX-71, and 241-CX-72.	TPA	2/28/04			On Schedule
RL-CP01	TRP-03-227 M-15-41C	Submit 200-TW-1 and 200-TW-2 OU Feasibility Study and Proposed Plan to EPA and Ecology	TPA	3/31/04			On Schedule
RL-CP01	TRP-03-230 M-15-39B	Submit 200-CS-1 Chemical Sewer Group Remedial Investigation Report	TPA	5/31/04			On Schedule
RL-CP01	TRP-38-802	Decontaminate and Decommission the 233-S and 233-SA Facilities	RL	6/30/04			On Schedule
RL-CP01	TRP-03-233 M-15-43B	Submit 200-PW-2 OU Remedial Investigation Report Including Past Practice Waste Sites in 200-PW-4 General Process Waste Group	TPA	6/30/04			On Schedule
RL-RC06	TRP-04-901 M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	9/30/04	9/19/01		Completed ahead of schedule
RL-RS01	TRP-03-236 M-016-66	Initiate Intermediate Design and Authorization Safety Analysis for Remedial Actions at the 618-10 and 618-11 Burial Grounds	TPA	9/30/04			On Schedule
RL-SS03	TRP-03-106 M-24-00N	Install RCRA Groundwater Monitoring Wells at Rate of up to 50 in CY 2002, if required	TPA	12/31/02	12/9/02		Completed ahead of schedule
RL-SS03	TRP-03-112 M-016-28A	Connection Well 199-K-126 to the 100-KR-4 Pump and Treat Extraction System	TPA	1/15/03	1/13/03		Completed ahead of schedule
RL-SS03	TRP-03-103 M-16-27C	Complete 100-HR-3 Phase III, ISRM Barrier Emplacement	TPA	6/30/03			On Schedule
RL-SS03	TRP-03-106 M-24-00O	Install RCRA Groundwater Monitoring Wells at Rate of up to 50 in CY 2003, if required	TPA	12/31/03			On Schedule
RL-SS04	TRP-03-403	Optimization Plan for the Closure of the Central Plateau	RL	9/30/03			On Schedule

FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
Central Plateau Remediation Project			
RL-RC06 300 Area Facility Transition	\$ 18,652	\$ 16,811	\$ 1,841
Project Completion - Operating	\$ 18,652	\$ 16,811	\$ 1,841
RL-CP01 200 Area Remediation	\$ 30,502	\$ 33,153	\$ (2,651)
RL-RS01 South Hanford Industrial Area	\$ 199	\$ 172	\$ 27
RL-SS03 Groundwater Management & Monitoring	\$ 22,283	\$ 22,465	\$ (182)
RL-SS04 Groundwater Vadoze Zone Integration	\$ 3,347	\$ 3,219	\$ 128
RL-SC01 Near Term Stewardship	\$ 2,519	\$ 2,494	\$ 25
Post 2006 - Operating	\$ 58,850	\$ 61,503	\$ (2,653)
Total	\$ 77,502	\$ 78,314	\$ (812)

ISSUES

10-CFR-830 Rule Compliant Documentation Activities for Facilities and Waste Sites:

The requirement to submit and achieve approval/compliant documents by the April 10, 2003 deadline requires a high level of continued focus. The recent identification of four additional waste sites that require Documented Safety Analysis has added to the overall challenge. Expected resolution date is April 10, 2003.